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Barrie Trower, UK expert in covert microwave weaponry long used by governments around the world: "Wi-Fi radiation is a weapons frequency. It can only do harm....During the 1950s and 1960s, it was realized that microwaves could be used as stealth weapons....The Russians beamed the American embassy during the Cold War and it gave everybody working in the embassy cancer, breast cancer, leukemia, whatever, and it was realized then that low level microwaves were the perfect stealth weapon to be used on dissident groups around the world, because you could make dissident groups sick, give them cancer, change their mental outlook on life without them even knowing they were being radiated...." [1]

From *Silent Weapons for Quiet Wars*: "When a silent weapon is applied gradually, the public adjusts/adapts to its presence and learns to tolerate its encroachment on their lives until the pressure...becomes too great and then they crack up. Therefore, the silent weapon is a type of biological warfare. It attacks the vitality, options and mobility of the individuals of a society by knowing, understanding, manipulating and attacking their sources of natural and social energy and their physical, mental and emotional strengths and weaknesses." [2]

American science fiction author James Edwin Gunn: "Science fiction is the branch of literature that...concerns itself with scientific or technological change, and it usually involves matters whose importance is greater than the individual or the community; often civilization or the race itself is in danger." [3]

## The Sci-Fi of Wi-Fi



Wi-Fi radiation is a horror story of monumental proportions.

Wi-Fi is a brutal environmental carcinogen.

Wi-Fi is the convergence of mass genocide with mass suicide.

The microwave frequencies used for Wi-Fi can:

Obliterate the DNA of man and beast  
Initiate and accelerate tumors and blood cancers  
Disable the human immune system

**Drastically damage the brain  
Impair the entire cardiovascular system  
Increase the risk of diabetes  
Cause eye damage and cataracts  
Reduce fertility and hinder reproduction**

**And here's the rest of the story:**

**Wi-Fi technologies have never been pre-market tested for health safety.**

**Wi-Fi deploys unlicensed radio spectrum and remains completely unregulated.**

**Anyone, anywhere can propagate the pulsed radio signals of Wi-Fi  
--at any power density desired--  
and escape liability for the disastrous health effects unleashed!**

**The Sci-Fi of Wi-Fi is this:**

Wi-Fi is unproven technology in the same category as painting radium on watches, fluoroscoping children's feet in shoe stores, stuffing attics with asbestos and exposing military personnel to atomic bomb tests. Most people presume that Wi-Fi radiation is safe, yet numerous published and peer-reviewed scientific studies demonstrate that pulsed microwave radiation used for Wi-Fi: brutalizes plasma membranes, accelerates tissue damage through oxidative stress and induces malignancies.

[4] [FIND 136 STUDIES HERE](#)

Although Wi-Fi radiation has documented potential to inflict illness, impair genetic integrity and endanger human life, the US population is now conditioned to *beg* for it. Most mobile devices are Wi-Fi enabled and millions of Wi-addicts are seduced into heavy and obsessive use of Wi-Fi for playing online games, checking social media, streaming videos/movies or music anytime, anywhere.

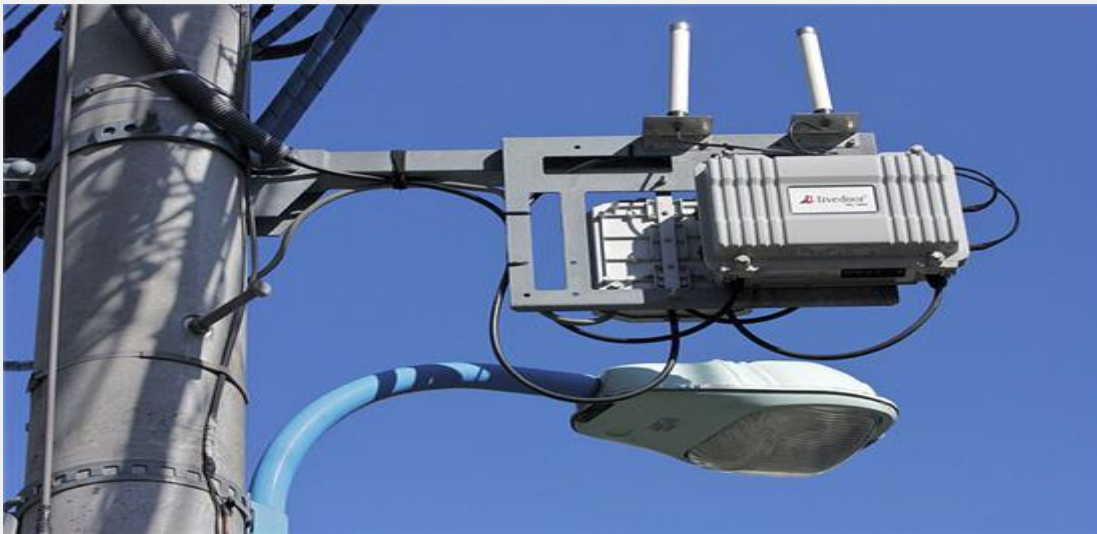
The Internet was widely available long before Wi-Fi came on the scene. But within less than two decades, the devious, self-serving Wi-radiation industry has used blitzkrieg propaganda and irresistible marketing to cultivate *mass worship* of devices and systems which pollute the environment with Wi-Fi, both indoors and out. **Wi-Fi is now so enculturated that nearly every residential, commercial and industrial building in the USA is saturated with its deadly frequencies and modulations.**

Popular allegiance to Wi-Fi has evolved into groupthink similar to cult hypnosis. Even when presented with compelling medical facts about the documented health dangers of Wi-Fi radiation, the entrained American masses **submit to the tyranny** of Wi-Fi, much like those who once gave unquestioning salute to the German Nazi experiment. There is no national public forum for discussion of disastrous health effects. There is no accommodation for those who object to, or those who are immediately sickened from compulsory gigahertz exposure. There is virtually no compensation for the many who suffer inevitable biological and genetic damage.

**Wi-Fi is now ubiquitous and therefore compulsory for all Americans.**

**Wi-Fi is Techno-Totalitarianism.**

## An Overview of Wi-Fi



Wi-Fi (IEEE 802.11) involves a complex and ever-expanding *assortment* of wireless networking technologies. Wi-Fi is a type of modulation which carries two-way microwave signals between a fixed base station (access point) and wireless devices. Some vendors provide Wi-Fi Calling to enhance mobile phone coverage by connecting calls over a Wi-Fi network where cellular services are poor or non-existent. Newer, ultra-smart systems are using maximized signal strength, beamforming radio techniques and point-to-multipoint bridge technologies to deliver Wi-Fi connectivity to large institutional and commercial venues. Industrial grade Wi-Fi systems deliver streaming data across hundreds of acres to thousands of mobile customers simultaneously, while steering radio signals around obstructions and achieving ray penetration of concrete structures.

Microwave energy delivered by Wi-Fi is well-documented to damage the eyes. In 1988, before the USA had lost its marbles over Wi-technologies, researchers with the University of Chicago warned: **"Microwaves most commonly cause anterior and/or posterior subcapsular lenticular opacities in experimental animals, and as shown in epidemiologic studies and case reports, in human subjects. The formation of cataracts seems to be related directly to the power of the microwave and the duration of exposure."** Furthermore, microwave eye damage is identical to cataracts induced by ionizing radiation (X-ray, gamma waves): **"Like cataract formation by microwaves, cataractogenesis induced by ionizing radiation is associated with damage to the lens cell membrane. Another possible mechanism is damage to lens cell DNA....Until further definitive conclusions about the mechanism of microwaves and ionizing cataracts are reached, and alternative protective measures are found, one can only recommend mechanical shielding from these radiations to minimize the possibility of development of radiation-induced cataracts."** [5]

Tell that to little school kids in Wi-Fi classrooms. Tell that to college students paying high tuition to attend radiation-soaked campuses where everyone is required to worship the mobile small screen, required to live, study and play in ubiquitous Wi-Fi pollution from which there is no escape. Tell that to millions of US workers who labor near Wi-Fi access points with no hazard warnings and no eye protection whatsoever.



Wi-Fi electromagnetic signals are complex. Wi-Fi microwaves are delivered to living flesh as electromagnetic currents comprised of two basic components: the ultra high frequency carrier waves and the low-frequency, modulated (ELF) signals, which contain the data and ride along on the carrier signals. There is ample published evidence that it is the pulsed, low-frequency signals *riding on the carrier waves* which commit the most biological damage. Wi-Fi is embedded with an even wider range of pulsed signal modulations than mobile phones because Wi-Fi signals carry super heavy streams of data. Wi-Fi signals utilize BOTH single-carrier, direct-sequence spread spectrum AND multi-carrier orthogonal frequency-division multiplexing (OFDM) radio technologies. OFDM signals include dozens of subcarriers (streams of data) and a variety of modulations (pulse patterns) which can be applied to each subcarrier. [6]

Wi-Fi is propagated at very high frequencies and its gigahertz wavelengths are short. The higher the frequency, the more violent the oscillation and excitation of human cells. The shorter the waves, the deeper the flesh penetration. Experts warn: "Pulses carried by microwaves are particularly dangerous. This is because their very short wavelength allows the transmission of pulses with extremely rapid rise and fall times, and it is the rate of change of the fields (rather than their total energy) that does the most biological damage; it catapults vital calcium ions away from cell membranes, which in turn makes them leak. This leakage can explain the great majority of observed adverse health effects of prolonged exposure to electromagnetic radiation." [7]

Medical science bluntly states that the data-bearing electromagnetic signals of Wi-Fi can disrupt growth, development, metabolism and repair of the human body. "Artificial bioelectrical interference can give false information (disruptive signaling) sufficient to affect critical pacemaker cells (of the heart, gut and brain) and desynchronize functions of these important cells that orchestrate function and maintain health." [8]

**Therefore, great Wi-Fi everywhere, all the time  
endangers human eyesight and degenerates human health.**



In 2015, a team of scientists reviewed all available age-specific medical literature to determine which populations are most susceptible to biological damage from such electromagnetic assault. Their analysis found that existing studies **"indicate specific vulnerabilities in the young (fetus to adolescent) the elderly and those with cancer."** [9] Nevertheless, Wi-Fi is now a mandatory carcinogen in almost all hospitals, elder care facilities and schools across America. Dr. Erica Mallery-Blythe, M.D., who has long warned about the hazards of microwave radiation for children, says of Wi-Fi in public schools: **"It's a sad state of affairs when parents, scientists and medical doctors are on their knees to politicians and salesmen begging for protection for the health of our children."** [10]

Wi-Fi frequencies are too high on the electromagnetic spectrum to be audible to the human ear. But it is possible to "hear" the jag-toothed, pulsing data streams of Wi-Fi with microwave detection equipment. Take a moment to listen to Wi-Fi voltage pulsing from both a wireless router and an iPad. This is the carcinogenic energy which exerts powerful electrostatic force on human cells, resulting in the leakage of cell membranes and disruption of human electro-chemical balance. Hopefully, the Internet connection which allows you to see this video is Ethernet cabled directly to your computer without a Wi-Fi router/modem. If not, you yourself are suffering gross molecular abuse from the jackhammering Wi-Fi radiation demonstrated in this video.

**Millions of the uninformed are perpetually exposed to this potent radiation.**

The numerous microwave frequencies of Wi-Fi are among those designated as Group 2B carcinogenic by the International Agency for Research on Cancer (IARC). This designation was approved in 2011 by 31 scientists from 14 countries. IARC confirms that microwave radiation easily passes into human flesh to couple with the body **"resulting in induced electric and magnetic fields and associated currents inside tissues....Induced fields within the body are highly non-uniform, varying over several orders of magnitude, with local hotspots."** [11]

Thirty-five years ago a NASA document described precisely how these microwave currents, gushing through the flesh of most Americans 24/7, override the natural frequencies of cells and organs: **"...The body may be regarded as a collection of countless electronic microcircuits, each one corresponding to a cell or part thereof. Electromagnetic energy somehow finds its way to individual microcircuits and influences the electronic functions there. These functions include various communication and control processes essential to life and its activities."** [12]

This confirms that Wi-Fi peddlers are experimenting with, and profiting from, a man made energy force that can influence, interrupt and even terminate biological life on this planet. As polarized Wi-Fi currents rip through the body, they



force every cell and molecule to *oscillate in phase* at billions of hertz. Therefore, people continuously infused with this brutal radiation actually *become* Wi-Fi.

## **Humans ARE the frequencies at which the flesh is FORCED TO VIBRATE.**

All publicly-funded US health agencies remain deafeningly silent on the subject of RF/microwave health risks. Therefore, obsessive-compulsive Down-Lookers remain oblivious to the fact that exposure to non-ionizing Wi-Fi puts them at the same risk for genetic damage and cancer as chronic exposure to ionizing X-radiation and gamma wave radiation. [13] The ways in which living tissues respond to relentless and repetitive Wi-Fi injury differ from person to person. Variables include age, height, body mass, genetics, health status, underlying physiological conditions, dielectric properties of the tissues, as well as the frequency, pulse modulation, polarization and direction of wave incidence on the body. Therefore, each human, animal, insect and plant under cumulative Wi-Fi assault will respond in unique ways during the inevitable downward spiral to weakness and disease. However, *one* biological effect appears to be universal and nearly instantaneous. This dangerous effect on almost every Wi-irradiated person can be confirmed with dark field microscopy:

## **Microwave radiation agglutinates (clumps) and deforms human blood cells. [14]**

Deranged blood affects all systems of the body. But in the white heat of "technological advancement," Wi-Fi fans are never warned that microwave radiation is documented to induce *at least 13 categories of sickness and disability*. People chronically exposed to Wi-Fi are doomed to end up with ill health, but they don't seek medical help complaining of Wi-Fi overload. With no idea as to the root cause of their suffering, they complain of the myriad, microwave-induced conditions [LISTED HERE](#).

Lloyd's of London has been a leading insurance market since 1688. It is a huge and complex corporate entity within which multiple financial backers come together to pool and spread risk. Famous for taking risks, Lloyds has firmly drawn the line at man-made microwave technologies, *including Wi-Fi*. By 1999, Lloyd's had *refused to insure* the vast wireless radiation industry against health effects suffered as a result of deadly wireless products and systems. In 2015, Lloyds loudly reiterated that its Exclusion 32 applies to all illnesses or injuries *"directly or indirectly arising out of, resulting from or contributed to by electromagnetic fields, electromagnetic radiation, electromagnetism, radio waves or noise."* [15] With over 300 years of experience, Lloyds and the entire global insurance industry understand what the American people do not. Like asbestos and mad cow disease, RF/microwave fields and energies are *too deadly to insure*. Wi-technologies could bankrupt the world's insurance industries as efficiently as they bankrupt human health because they propagate radiation documented to be:

**An efficient carcinogen  
A devastating neurotoxin  
A powerful cardiotoxin  
A quick-acting immuno-depressant  
A proven spermicide  
A ruthless mutagen and teratogen (birth defects)**

## **The Great Experiment**

Two of the world's most highly-credentialed and experienced radiation scientists, Marko Markov and Yuri Grigoriev, confirm that Wi-Fi technology is *"an uncontrolled global experiment on the health of mankind."* This radiation, they say, is being irresponsibly delivered to seven billion people with no criteria for hazard, no monitoring, no research, no prevention of side effects and no available treatment for the inevitable fallout. This disaster is unfolding, they say, because of the *"power of the industry and the failure of the scientific community."* [16]

The *Waking Times* gets to the crux of the matter: *"Governments and Big Telecom have gotten away with foisting Wi-Fi on all of us, knowing the deep health risks, yet due to the difficult connections between invisible radiation, the length of time it takes to get sick from Wi-Fi exposure and the legality escape clause of "plausible deniability," they have continued to enjoy blanket immunity. Additionally, in big business where no one goes to jail and the regulators are in bed with the corporations, they can hide inconvenient truths from the public, free from fear of prosecution."* [17]

Most tragically, there is ferocious commercial momentum to ensure that every American child is early inducted into Wi-Fi addiction. Adolescents play for hours with wireless gaming units and play stations that emit high voltage gigahertz frequencies. Tiny children play for hours with Wi-Fi-enabled kiddie phones and tablets that allow them to wirelessly connect with parents and friends. Toy manufacturers seek to bury children in a quagmire of wireless wearables, remote controlled gadgets, dolls and stuffed toys loaded with Wi-Fi and bluetooth antennas. Although the media is now warning that Wi-Fi toys

are hackable by perverts and profile predators, [18] the *health hazards* of Wi-Fi are never discussed. Parents and educators, obsessed with "child safety," remain strangely inconversant about chronic exposure of young children to carcinogenic wave radiation from wireless playthings.



Vic Hayes, a Dutch radar engineer dubbed the Father of Wi-Fi, has stated: **“Anything that needs communications or control will be wirelessly connected—from your freezer to the TV, from the light switch to the most sophisticated laptop. Wireless will be ubiquitous...I personally wanted to have it everywhere.”** [19] Vic Hayes has long labored with a global army of powerful corporate Wi-interests to bring his lucrative and potentially lethal vision to pass.

Wi-Fi is among the most valuable assets of the Wi-radiation industry. It generates \$billions in annual revenues. The engine for today’s ever-evolving Wi-Fi technology is a combination of official and commercial interests. The guts of this engine is the Institute of Electrical and Electronics Engineers (IEEE), a consortium of industry and military agents, renown for blatantly ignoring and denying any and all medical research which threatens commercial and military interests. IEEE assigns specific and uniform criteria for the design of wireless electronic systems. Its recommendations form the bedrock of medically-indefensible RF/microwave exposure guidelines adopted by the Federal Communications Commission (FCC).

By 1996, IEEE had completed its first WLAN standard for Wi-Fi system compatibility. The IEEE established the first international 802.11 Wi-Fi standard in 1997. That same year Vic Hayes became first chair of the Regulatory Committee of the Wi-Fi Alliance, a powerful wireless association which promotes Wi-Fi technologies and which owns the Wi-Fi trademark. Wikipedia reports that in 2003, the first US airport to unleash Wi-Fi pollution was the Pittsburgh International Airport. In 2005, St. Cloud, Florida, and Sunnyvale, California, became the first US cities to offer free urban Wi-Fi.





Wi-Fi Alliance member companies include: Alcatel-Lucent, Nokia, Apple, Comcast, Samsung, Sony, LG, Intel, Dell, Broadcom, Cisco, Motorola, Microsoft, Texas Instruments, T-Mobile and the other carriers. The Wi-Fi Alliance is based in Austin, Texas, and its website boasts: **"To date, our more than 600 member companies have certified more than 25,000 products in one of nineteen authorized test laboratories worldwide, and that number grows daily."** Such testing is based on technical parameters, such as non-interference with other radio systems, and has nothing to do with ascertaining or controlling the effects of Wi-Fi on human health.

Wi-Fi profiteers are tobacco industry clones on steroids. But unlike Big Tobacco, Big Radiation is **not required** to provide product warning labels or to post environmental notices about the documented health effects of Wi-Fi radiation. Year after year, it lubricates its overflowing coffers by inducing American consumers to "load the van" with an endless array of Wi-Fi and Bluetooth devices and propagation systems. Thanks to the Wi-Fi Alliance, even rural people, who are not yet savaged by cell tower and rooftop antennas, can compensate by shopping for 25,000 certified Wi-Fi products (plus countless other un-certified Wi-Fi emitters) with which to irradiate their homes, vehicles and work spaces. Take a good audio microwave detector to any remote village across America and you will hear the toxic "sizzle" of Wi-Fi blasting from most homes and hovels. Because Wi-Fi systems and devices are used on or near the body, most people now encounter and absorb far more Wi-Fi voltage than they do cell tower radiation.

A logo of the Wi-Fi Alliance demonstrates the arrogance of today's Techno-Totalitarians: **"Connecting everyone and everything, everywhere."** This logo should read: **"Irradiating everyone and everything, everywhere."** Although many conscientious and informed people do not care to be perpetually inundated with environmental wave carcinogen which endangers their lives, this logo clearly infers that every knee shall bow to the Great and Glorious Microwave. If the masses are ultimately rendered too damaged and too sick to get off their knees, tough luck!

## How the Poison is Administered

The variety and potency of today's microwave weaponry is formidable. Pulsing Wi-Fi signals are so complex that even radio engineers are challenged to understand and manage them. [20] Here is a list of the **main carrier** signal frequencies of Wi-Fi. Keep in mind that each category of carrier signal discussed below has numerous channels (2.43, 2.45, 2.47 gigahertz, etc.). So all people are exposed to a **wide and ever-changing range of frequencies** within each of the categories listed below.

◆ **2.45 gigahertz (oscillates human cells 2.45 billion times per second)** This is the most commonly used Wi-Fi frequency. It is the microwave oven frequency (ovens just use a higher power density than Wi-Fi). The 2.45 gigahertz is also used for Bluetooth technologies. Unlicensed ISM radio bands in the 2.45 gigahertz frequency realm are reserved for scientific, medical and industrial uses. There has been a rapid growth in medical devices that incorporate 2.45 gigahertz wireless technology, by authorization of the FCC and FDA. No human clinical trials are conducted **before** these Category 2B carcinogenic devices are put on the market. They are merely assumed "safe" by profit-driven forces which brazenly demonstrate their conviction that technology comes first, human life last.

◆ **3.5 to 3.7 gigahertz (oscillates human cells 3.5 billion times per second)** This frequency, used in US Navy radar operations, is now being tested for various consumer Wi-Fi applications, as well as for cellular communications. Both Sprint and Google are reportedly experimenting with this frequency realm in certain US cities for small cell antenna deployment. [21]

◆ **5 to 5.9 gigahertz (oscillates human cells 5 to 6 billion times per second)** Wi-Fi systems broadcasting at 5 gigahertz are relatively new. Medical science has barely begun to investigate the bioeffects of the five gigahertz frequency band with its numerous channels. Many Wi-Fi systems employ dual band frequencies of 2.45 *and* 5 gigahertz; some devices can deliver *both frequencies simultaneously*. There are virtually no studies showing exactly what happens to human cells when they are irradiated at 2.5 billion polarity oscillations per second while simultaneously being brutalized by a second radiation source oscillating at 5 billion times per second. Meantime, the FCC has proposed introduction of a new microwave spectrum that would allow Wi-Fi systems to unleash experimental frequencies between **5.47 and 5.725 gigahertz**.

◆ **White Spaces Wi-Fi (WHITE-Fi)** Under development across the USA since 2009 are new, experimental and ultra-powerful Wi-Fi systems which utilize the so-called "white space" spectrum of **400 to 700 megahertz, oscillating the flesh at millions of hertz**. In 2010, the FCC set the rules for the White Spaces spectrum, which utilizes available spectrum between television channel frequencies. Super Wi-Fi increases signal distance, efficiently penetrates structures and supports powerful mobile Internet devices like smart phones and tablets. Some "Super Wi-Fi" systems can reportedly propagate Wi-Fi data *for miles*. By 2011, a Super Wi-Fi system was unleashed in Cambridge, Massachusetts. In 2012, the first public Super Wi-Fi network was launched in Wilmington, North Carolina. In 2013, a campus Super Wi-Fi network was launched at West Virginia University. Under duress from Google, Microsoft and other members of the White Spaces Coalition, the FCC has announced plans to build Super Wi-Fi networks across the USA for free public Wi-Fi access, even in rural areas. [22] As the new Super Wi-Fi systems continue to metastasize, new super networks of carcinogenic antennas must be deployed.

◆ **60 gigahertz (millimeter waves which oscillates human flesh 60 billion times per second)** US airline passengers are routinely irradiated with experimental millimeter waves as they march through airport body scanners. By 2010, the industry was boasting of its plans to market 60 gigahertz equipment for "robust" and "insanely fast" wireless networking. Millimeter wave Wi-Fi has a short transmission distance, so it can require **a high transmit power and high gain antenna arrays** to overcome loss of signal. Wi-Fi technologies in the 60 gigahertz frequency band are nicknamed "Wi-Gig" by the Wireless Gigabit Alliance, an organization cooperating with the Wi-Fi Alliance to excrete new 60 gigahertz technologies. Millimeter waves penetrate substances as X-rays do, but they are technically problematic because oxygen and water highly absorb these ultra short waves, making them difficult to propagate through atmospheric rain and fog. [23] As the ray masters labor feverishly to unleash new high-band microwave weaponry, they have never explained how this radiation affects human bodies composed of water and oxygen. With little public information, no national discussion and no pre-market testing for potential bio-hazards, the Wi-Gig project is yet another gruesome experiment being conducted in violation of international conventions prohibiting human experimentation without informed consent.

◆ **30-100 gigahertz (millimeter wave frequencies which oscillate flesh 30 to 100 billion times per second)** By the year 2009, scientists at Los Alamos National Laboratory announced that high-band waves "**can unzip double-stranded DNA, creating bubbles in the double strand that could significantly interfere with processes such as gene expression and DNA replication.**" [24] Nevertheless, Google, which by 2013 was reported to have 48 billion in cash reserves [25] is now in the first stages of its Project Loon, slated to bombard the entire earth with numerous bizarre microwave frequencies, including 70-90 millimeter waves. Loon is an experimental new "cell tower" network to be constructed 12 miles above the earth with thousands of antennas mounted on balloons and unmanned drones. [GOOGLE'S NEW EXPERIMENT](#) The Loon network is *only one* of a large number of projects underway by numerous *other* corporate megaliths competing to attack the entire planet with **more wave carcinogen from above**. [FACEBOOK DRONES](#) and [Wi-Fi IN THE SKY](#) This omnipotent consortium could use its combined trillions to build safe and un-hackable FIBER networks everywhere across the planet. Instead, it has chosen to unleash a hodgepodge of experimental radiation schemes across the upper atmosphere, ignoring the huge potential for irreversible ecological damage and painful, slow death for all living creatures.

◆ **Wi-Fi HaLow: 900 megahertz (oscillates flesh 900 million times per second)** The Wi-Fi Alliance and the IEEE have just introduced this brand new Wi-Fi protocol-- the first to operate in frequency bands **under one gigahertz**. Wi-Fi HaLow features low power efficiency and nearly twice the propagation range as regular Wi-Fi signals (which means that HaLow systems can broadcast their poisonous effects for about 600 feet). The new HaLow technology is for: the "smart home," connected cars (death mobiles) and digital medical technologies. Promoters report that HaLow can provide more "robust" connections in challenging environments where the ability to penetrate walls or other barriers is an important consideration. Upon reading Wi-industry specs, it becomes obvious that, for the ruthless forces which deploy violent microwave technologies against all living things, **penetration is everything**-- and the deeper the better.

**Human Test Rats Are Us!**

Wi-Fi has been commercially available in the US only since 2000. Hand it to them, the wizards of Wi have done wonders! Today, with no legal or moral impediments, they are experimentally, haphazardly and coercively delivering Wi-Fi sickness to humanity through:

**Wi-Fi-enabled mobile devices: phones, tablets, computers, baby monitors and toys**

**Wireless gaming consoles and TV/entertainment systems**

**Wi-Fi antennas mounted everywhere on cell towers and rooftop antenna arrays**

**Outdoor access point antennas on utility poles and street furniture**

**Indoor WLAN networks complete with wireless modems, routers and signal boosters**

**Commercial, official and private tracking/surveillance systems (cameras)**

**Domestic and commercial security alarm systems**

**Smart meter mesh networks and interacting smart appliances**

**Infotainment systems installed in cars, trucks, planes and trains**

**Consumer drone (UAV) technologies**

**Satellite/balloon antenna arrays**

Seen below, is an industrial grade Wi-Fi antenna dish mounted on top of a commercial structure. This particular two-way radio antenna installation literally "bombed" the inhabitants of the building with ultra-powerful gigahertz radiation. Even when all of the Wi-Fi-enabled computers and devices inside of the building were *turned off*, the indoor pollution from the roof-mounted antenna installation continued to "scream" throughout the rooms of the building.



Patients sitting in the room directly under this installation were especially affected and finally this antenna was removed. People brutalized by Wi-Fi from such powerful Internet dish antenna services are provided with no health warnings. Most don't realize how their health can be impacted by high-frequency radiation which blasts perpetually downward and inward into inhabited spaces, because they can't see, hear or smell this poison. Only when empowered with an audio microwave meter to hear and measure the Category 2B carcinogen from such antennas do victims come to grips with how intensely they are being abused by this dangerous pollution.

Another example of the deleterious effects of Wi-Fi radiation are dual-band Wi-Fi routers and entertainment systems, which contaminate homes and multi-family dwellings. An example is Comcast's new Xfinity router system, featuring two super powerful antennas, each with two channels. One antenna emits 2.45 gigahertz, the other 5 gigahertz.



Jeromy Johnson, a former Silicon Valley engineer and a safe technology advocate, writes: **"Thus far in 2015, I have been contacted by multiple people who have reported being injured by the new Xfinity Wi-Fi routers....Rather than just delivering your Internet and cable, Comcast is using your new Xfinity router as a gateway into your "smart home" and to deliver WiFi service to anyone within a few hundred feet of your home. The plan is to turn their customers' homes into public "hotspots" with the result that Wi-Fi is nearly ubiquitous in our communities.....This is another huge corporation taking advantage of virtually no safety regulations in order to maximize profits at the expense of human health and the environment."** [26] Johnson's website offers unique advice on how to connect and communicate in the digital age in safer ways. [READ HERE](#)

Another example of universal Wi-Fi overload is smart meter systems installed on millions of US residential and commercial buildings. Seen below is a typical bank of smart meters mounted on a multi-family complex. People living in units closest to such multiple microwave-emitters often report severe health degradation. Many victims say they never recover normal health after such acute exposure.





In addition to containing radios that beam cellular communications signals to pole-mounted transceivers, mesh smart meters are equipped with home area network radios which emit 2.45 Wi-F gigahertz (Zigbee), mainly in order to communicate with "smart" appliances in the home. Says one concerned researcher of the newer, second generation Landis Gyr meters now being installed in Arizona: **"In addition to the four times more intense microwave transmissions of the new Landis and Gyr smart meters, another layer of microwave radiation may be added on top of that to pollute peoples' environments--at least 8 times per minute (11,520 per day) and much, much more for people living near banks of meters."** [27]

Other pernicious sources of Wi-Fi radiation are baby monitors and surveillance security systems. Millions of US buildings are perpetually irradiated with 2.45 to 6 gigahertz to accommodate wireless surveillance systems, many of which allow remote viewing from wireless phones and tablets.



Security systems are important for personal safety and property protection, but the question is, can true security be obtained by using carcinogenic wave radiation which extracts such a horrific cost to human and pet health? **Wired** home security systems are more expensive and time consuming to mount, but they prevent the gross biological ramifications of relentless wireless radiation exposure.

## The Brutality of Bluetooth

Introduced to American consumers over a decade ago, Bluetooth is wireless radio technology which endangers the environment with unlicensed and unregulated 2.45 gigahertz radiation in order to communicate and connect electronic devices within a short-range wireless network. Bluetooth is intended for portable equipment and it allows inanimate objects like a vending machine, a grocery store shelf or a sweater to communicate with each other, or with a computer. Bluetooth enables Wi-fanatics to deploy **several radiation-emitting devices simultaneously** and induce multiple streams of DNA-busting energy between: smartphones, tablets, headsets, gaming systems, smart watches, fitness monitors, electronic scales, speakers, headphones, computer key boards/mice, printers, smart tags for item tracking, medical monitors, etc. Compared to Wi-Fi, Bluetooth uses lower power and broadcasts with simpler communication protocols.

Bluetooth technologies are managed by the Bluetooth Special Interest Group (Bluetooth SIG), an organization with more than 25,000 member companies representing telecom, networking and consumer electronics. Wi-industry leaders celebrate that within the next five years, there will be 19 billion Bluetooth-capable gadgets shipped across the globe to deliver their perpetual and carcinogenic payload into living flesh. [28] They are also celebrating the newest Bluetooth beacon technologies being peddled across the globe. Bluetooth beacons, created for public venues and even roadways, propagate 2.45 gigahertz signals into selected zones, allowing official, medical and commercial interests to track, monitor and target-advertise anyone who enters that zone while carrying Bluetooth-connected devices. [29]

The Bluetooth protocol, which includes Classic Bluetooth and Bluetooth Smart, operates in the license-free ISM (industrial, scientific, medical) band. Bluetooth 4.0 (aka Bluetooth Smart Ready) provides newer Wi-products, such as fitness wearables, with persistent Internet ties and robust power to interact with smart phones. While Class Two and Class Three Bluetooth have a range of about 30 feet, Class One Bluetooth and Bluetooth Smart have a broadcast range of about 300 feet.





Among newer Bluetooth devices is a medical sensor system which can detect bowel activity. Adhering to a person's abdomen, a sensor signals a partnering smart phone about movements and swellings within the bowel so that a toilet can be expeditiously found. Such a system exposes a person wearing *both* the monitor *and* a smart phone to carcinogenic wave energy from at least two *always-on* radio devices simultaneously. [READ HERE](#)

As with all other wireless systems, no pre-market human clinical trials are required by the Food and Drug Administration (FDA) to ascertain exactly how near-field Bluetooth radiation affects the skin, the blood, internal organs and the nervous system (not to mention existing cancers) of people continually flesh-irradiated over the long-term. Federal publications confirm that the FDA is mainly concerned with proper application paperwork and with certification that ISM devices do not cause *radio frequency interference with other wireless technologies*. Because Bluetooth radiation is propagated at non-thermal power levels, the archaic assumption is that, in regards to human safety, everything is "cool."

But medical science has long confirmed that even very low-powered and very weak microwave fields can cause horrific effects. Environmental expert Cindy Sage, who co-edited the Bio-Initiative Report, explains what low-energy Bluetooth means in terms of specific absorption rates (SAR): "People should realize that Bluetooth devices that fit in or around the ear typically radiate at .23 Watts per kilogram (W/kg)....You'll find the Bluetooth devices are actually worse than some low-SAR phones. This level of .23 W/kg is 10 to 100 times higher than the RF exposure levels shown to make the blood-brain barrier pathologically leaky, allowing toxins and toxic molecules to cross the BBB....The lowest exposure SARs are worse than the higher SAR exposures (Nittby et al., 2009). These studies show neuron death (brain cells) at SARs of only 0.012 W/kg. Bluetooth devices are worn for hours at a time, in some cases, all day long...." [30]

In addition to the high-frequency radiation, Bluetooth devices are notorious for generating very high ELF electromagnetic fields, sometimes in the hundreds of milligauss. It is generally accepted that health risks, especially for children, begin at ELF exposures over four milligauss.

## Vested Interests Behind the Wi-Fi Frenzy

While the lemmings rush to Wi-Fi connectivity for convenience and diversion, the major power brokers of this world appear to be steering Wi-Fi for at least three major, but unstated purposes:

**Governments: Unlimited surveillance and tracking capabilities**

**Corporations: Unlimited profits and access to consumer identity, behavior and preferences**

**Population Planners and Eugenicists: Unlimited and furtive population reduction**

## The Spy Networks:

Wi-Fi mesh networks and Wi-Fi-enabled devices have become indispensable tools for round-the-clock totalitarian tracking and surveillance of the entire US population. Whistleblower Edward Snowden, who spent his early career building digital surveillance systems for US Intelligence agencies, has confirmed that since 9-11, the US government has been actively engaged in illegal spying on everyone in the United States. He warned: "For now, know that every border you cross, every purchase you make, every call you dial, every cell tower you pass, friend you key, article you write, subject line you type and packet you route is in the hands of a system whose reach is unlimited, but whose safeguards are not." [31]



Seen above are pole-mounted access points for a highly invasive Wi-Fi surveillance and tracking system recently provided to the Seattle Police Department through federal funding. These pole-mounted "Wi-eyes" are capable of remotely data-mining a passing mobile user's IP address, the mobile device type, apps used, current location and even the historical location of the user down to the last 1,000 places visited by the targeted individual. The information gathered by such data mining systems then becomes available to numerous local, state and federal agencies. This same kind of invasive spy system is metastasizing into commercial tracking networks, including RADAR billboards, which combine facial recognition and mobile phone tracking to allow corporate watchers to assess travel and shopping patterns of individuals. [32]

Such invasive type of data-mining system is now being deployed at many US border crossing stations. Nexus cards, EDL's (enhanced drivers licenses) and EIDs (enhanced identification cards) issued to an increasing number of US travelers are embedded with high-frequency RFID transmitter chips. Ultra high frequency RFID technology permits the reading of documents up to sixty feet away. [33] Powerful new readers at border crossing vehicle lanes can scan these cards and documents inside of vehicles while passengers are highly irradiated during the process. People equipped with audio microwave detectors say **"you ain't heard the heat"** until you've heard the scream from border scanners using powerful radio frequency signals to "sniff" RFID documents remotely. Cell tower antennas --up close and personal-- are also part of radiation-intensive border crossing systems.

While US travelers and many border workers are having their gizzards "microwave cooked," ostensibly for the security of the Homeland, the sheriff of Pinal County, Arizona, told the media that in September 2015 alone, close to ten thousand illegal aliens, including drug peddlers, stampeded into the US across the Mexican border with no papers at all. Babeu said, **"They're all coming in as refugees, and then they are given papers, documents to report back in a month, or 60, 90 days, and its already proven, past experience has shown that they're not showing up at all. Ninety-plus percent and in some cases much higher than that never appear."** Babeu also said, **"Right now we're living in a country where there is no enforcement of immigration laws."** [34]

Meantime, expanding wireless spy networks needed to keep track of mostly law-abiding American citizens include "smart" street lights and signs equipped with wireless mesh transceivers or small cell communications radios used to "control, monitor and maintain the sensory world," for the closely-watched masses below. This privacy-trampling trend is vomiting spin-off technologies for remote monitoring of even human bodily functions. Consider the Wi-Z system, recently introduced at MIT: **"Researchers at the Computer Science and Artificial Intelligence Laboratory (CSAIL) transmitted a low-power wireless signal through a wall and measured how long it took the signals to bounce back. Changes in the signals allowed the team to measure movement, even minute chest movements (of people on the other side of the wall). Based on a chest rising and falling, the CSAIL group can determine their heart rate with 99 percent accuracy. The system can track up to four people at a time."** [35]

When such invasive radiation-spewing systems might be created specifically to *terminate* the heart rate of four people at a time is anyone's guess. In this lawless age of unbridled electronic trespass, one might seriously ask if there is anything in science fiction literature that could compare to the current ghastly situation of America, the Wi-irradiated?

### The Commercial Data Mining Racket:

Commercial interests are now proficient at using Wi-Fi technologies for consumer tracking, data mining and profit making. For example, a corporate coalition called Intersection, partially owned by Google-backed Sidewalk Labs, is now partnering with the government of New York City to transform thousands of old telephone booths across the city into Wi-Fi kiosks. These new hotspots, touted to be the **"fastest and largest municipal WiFi network in the world,"** are expected to generate an estimated \$500 million in ad revenues per year. The kiosks will suck in wireless screen users who, while receiving their prescribed dose of additional, up-close Wi-Fi radiation, can have their individual wireless devices data-mined for information, insuring their eternal bombardment with personalized advertising.



Once the New York project is completed, this consortium will target other US cities. Writer Kevin Samson says: **"Boston is working to expand a 'Wicked Free Wifi' network with over 170 hot spots, and Los Angeles is encouraging private companies to provide free basic wireless to all homes and businesses, with outdoor coverage as a goal....It's about the rise of fully connected Smart Cities that are multi-use, imposed without debate, and are very easily warped for less than noble purposes. It's about merging the domestic 'Internet of Things,' with an industrial smart grid that is part of a technocracy endgame as defined by the UN's Agenda 21. It is an all-encompassing agenda that has political support and the investment of every major tech company on the planet."** [36]

### Population Reduction Projects:

Wi-Fi technologies are the *ultimate tool* for imposing furtive and involuntary fertility reduction, plus possible pregnancy termination. Gigahertz radiation is not only renown for causing genetic damage to DNA, chromosomes and genes, but also for imposing serious impediments upon both female and male reproductive processes. The greater the mass exposure to Wi-Fi radiation, the greater the desired reproductive effects will be. British microwave expert Dr. Andrew Goldsworthy warns that Wi-Fi in schools **"may be particularly hazardous for pregnant teachers."** [37] In fact, Wi-Fi may be particularly hazardous for pregnant women of any profession.

Medical literature spanning decades is fairly loaded with references to RF/microwave damage to reproductive systems and processes. Wi-Fi radiation specifically affects the appearance, motility and viability of sperm while damaging its DNA. The 2.45 gigahertz used for Wi-Fi has also been shown to produce utero-placental circulatory disturbances and ovarian and placental dysfunction during pregnancy. Microwaves in the 2.45 gigahertz spectrum are linked to increased embryo/and fetal death in animals. Microwaves are also linked to spontaneous abortion (miscarriage).

All American sperm, ova cells, embryos and fetuses are now infused with Wi-Fi radiation to varying degrees. Women of reproductive age --and all female fetuses-- carry ovarian follicle cells which are absolutely radiation-defenseless. **"The problem with young girls is that microwave radiation has been shown to damage the genetic structure in their ovaries. Girls**



are born with all of the eggs they need in their ovaries at birth...The problem here is that the mitochondrial DNA, the genes inside the ovaries, is irreparable. If you have a little girl in whom there is damage through this mechanism to the genetic structure in one of her eggs, and she has a daughter, that daughter will carry that genetic problem. It is irreparable. And her daughter in turn will carry that genetic problem, because it is irreparable. And every female forever, in that line, will carry that problem in perpetuity, because it is irreparable." [38]



And it is not just the female fetus that can be reproduction-damaged by wireless radiation. A new medical report indicates that male fetuses can also be rendered infertile by environmental pollution, even while they are still in the womb: "Sperm counts are declining and there is mounting evidence that the problem starts even before birth, says Dr. Gillian Lockwood, medical director for Midland Fertility Clinic. She cites growing evidence that although the process of sperm production --known as spermatogenesis-- starts in adolescence, the crucial preparations are made in the few months before and after birth....Experts talk of a window of testicular development that begins in the growing foetus and ends in the first six months of life. Problems in this period mean that the baby boy may never be able to produce babies of his own." [39]

And so, the microwave-irradiated American children of today, even though they may appear normal at birth, could easily carry in their genetic makeup the sins of their fathers and mothers. The defects lurking in their genome will become most tragically obvious in future generations.

### **Important:**

### **[Documented Reproductive Effects of 2.45 Gigahertz Radiation Ubiquitous in the US Environment](#)**

## **The Major Categories of Wi-Fi Blowback**

The microwave frequency of 2.45 gigahertz, currently used for most Wi-Fi technologies, has long been known by the scientific community to be among the most lethal in the microwave spectrum. Research on rats conducted in 1974 at Stanford Research Institute, Menlo Park, California, produced disastrous results: "The higher the power density, the quicker the rats died. Of the four frequencies tested, the most lethal frequencies (0.9 (900 MHz) and 2.45 GHz) are commonly used for analog [and digital] mobile phones (0.8 to 0.9 GHz); microwave ovens (2.45 GHz); and both digitally pulsed cordless phones and wireless routers (2.4 GHz)." [40]

When the Dalai Lama was asked what surprised him most about humanity, he answered that most amazing is how humans sacrifice their health in order to make money, then sacrifice their money in order to recuperate their health. Millions of US workers and students submit to ceaseless Wi-Fi pollution in their work and study spaces in order to make money. Here is how their money will likely be spent.

**Cancer:** In the 1990s, researchers at the University of Washington proved that 2.45 gigahertz radiation unleashes a cascade of cellular chemical reactions which ultimately damages the DNA. [41] Below is a comet assay picture, courtesy of bio-scientist

Dr. Henry Lai, which demonstrates the catastrophic condition of DNA after short-term exposure to *low levels* of 2.45 gigahertz. The “comet tail” known as micronuclei damage, demonstrates disintegration of the microwave-irradiated DNA.

Dr. Lai's research was corroborated by the European Union's REFLEX studies in 2004. The REFLEX studies used a slightly lower frequency (1.8 gigahertz unmodulated) to create DNA damage in human cells which appeared identical to damage of ionizing X-radiation. [42] Other research groups have also used experimental 2.45 gigahertz radiation to trigger significant chromosome abnormalities and micronuclei in human blood lymphocytes. Chromosomes are part of the genetic material of the DNA. Numerous studies indicate that 2.45 GHz microwaves at non-thermal levels behave exactly like ionizing (nuclear) radiation as they induce chromosome abnormalities. [43] Any radiation which induces DNA/chromosome damage is both carcinogenic and teratogenic (causes birth defects).

In addition to destroying DNA, microwave radiation inhibits the body's *ability to repair* DNA. Recent research by Igor Belyaev at the University of Stockholm showed that microwave radiation in the 900 megahertz spectrum (cell phones and Wi-Fi HaLow) inhibits DNA repair in stem cells; DNA damage in stem cells is precursory to the onset of leukemia and glioma brain cancer. [44] While Dr. Lai confirms that genetic mutations in only *one single cell* is sufficient to generate a cancer, [45] the National Cancer Institute confirms that cancer begins with damaged and unrepaired DNA. [46]

Furthermore, the US government has known for decades that 2.45 gigahertz effectively initiates tumors. In 1984, the US Air Force spent several million dollars to expose test rats to 2.45 gigahertz radiation at very low power densities (commensurate with today's universal exposure levels). [47] The studies found that compared to non-exposed rats, the irradiated rats suffered:

**16% more benign tumors**

**260% more primary malignant tumors**

**100% more malignant tumors that had metastasized (spread from original site)**

**Cardiac and Circulatory Problems:** Decades of research confirms that blood and cardiac problems are a guarantee of microwave irradiation. Numerous studies confirm that 2.45 gigahertz causes blood damage including agglutination (sticky blood) and alterations in red and white blood cell counts. In 1995, a team of scientists showed that low-level 2.45 gigahertz radiation damages human blood cell membranes, causing significant hemoglobin loss due to membrane permeabilization (radiation-induced leakage). [48] In 2010, Canadian researchers published a study documenting how 2.45 gigahertz radically interferes with human heart function: "**An international team of researchers recently discovered that in some individuals, the 2.4 GHz pulsed signals emitted by a cordless phone system produce significant disruptions in cardiac rhythm. The researchers demonstrated that 40 percent of healthy volunteers in their study showed marked increases in heart rate, arrhythmias, and other disturbances in heart rate variability following exposure to active cordless phone base stations. Many wireless routers and other forms of Wi-Fi technology also emit fields at this frequency.**" [49]

**Diabetes:** In 2013, a study published in the medical journal *Environmental Toxicology and Pharmacology* showed that rats exposed to Wi-Fi for only one hour per day for 22 days developed a diabetes-like status: "**Indeed, RF radiation induced glucose metabolism disorders.... The disorders in glucose metabolic could be explained by alteration in function, structure, and/or secretion of insulin after RF exposure.... Furthermore, RF radiation could affect the glucose uptake by peripheral tissues.**" [50] In addition, the Wi-Fi-tortured rats in this study developed gross liver abnormalities, including hypertrophied (enlarged) liver cells and hepatic lesions.

At a time when the incidence of diabetes is greatly increasing in the US, of great interest is the fact that the pancreatic and liver abnormalities cited in the above Wi-Fi study were induced by microwave-generating equipment commonly used to create Wireless Local Area Networks (WLANs) in "business-class environments" nation-wide. The study states: "**The animal cages were placed under an access point (AP) from a Wi-Fi device, D-Link [DWL-3200AP](#) with 802.11g mode and WPA2 network protection. It integrated two omnidirectional antennas that were set up for Internet broadcast via wireless at 2.45 GHz.**" [51] This is the same industrial class radiation which rages through the cells and tissues of Americans just about everywhere they go. Other studies have indicated a connection between electromagnetic radiation exposure and lack of blood sugar control in humans. [52]



**Brain Damage and Brain Disease:** Numerous studies on animals over three decades have shown *significant brain damage* in animals exposed to 2.45 gigahertz radiation. These animals show severe learning and memory deficits. [53] A 2015 study confirms that 2.45 gigahertz has a deleterious impact on the miRNAs of brain tissue, indicating the risk of neurodegenerative diseases after long-term exposure. [54] Dr. Andrew Goldsworthy advises that Wi-Fi in public schools has potential to disrupt brain function in children and should therefore be considered *"an impediment to learning."* [55] This is reiterated by professor Martha Herbert, M.D., Ph.D., a pediatric neurologist at Harvard University: *"RF radiation from Wi-Fi and cell towers can exert a disorganizing effect on the ability to learn and remember, and can also be destabilizing to immune and metabolic function."* [56] Relevant to upcoming terahertz technologies, including 60 gigahertz Wi-Fi, is a 2009 study of the negative effects of 50 gigahertz radiation on rat brains: *"Results show that the chronic exposure to these radiations causes DNA breaks....We conclude that these radiations can have a significant effect on the whole brain."* [57] Therefore, passing up the terahertz body scanner and asking for a pat-down at the airport is a prudent idea for those who wish to preserve both eye and brain function.

American children live and breathe Wi-Fi at home and at school. A revealing glimpse of their predictably grim future is a recent study conducted by leading radiation experts in Russia who monitored the effects of mobile devices on the cognitive functioning of 196 children ages 7-12. Over a 4-year period, these kids suffered universal *"fatigue"* and a *"steady decline"* in: (1) their ability to process, store and recall information (memory) (2) their ability to understand and manage language (phonemic perception) (3) their physical and cognitive efficiency (vital energy). The researchers stated that these kids gradually disintegrated from *"high values to bottom standards."* [58] There is enough medical and scientific evidence to postulate that American Wi-kids --whose developing brains are perpetually simmered in microwave stew-- are likewise destined to descend into impaired neurological function and behavior. Many will ultimately arrive at simian intellect, will require psychiatric drugs and will succumb to manipulation by those highly skilled at animal control.

**Electro-Hypersensitivity (EHS):** During 2015, a number of media stories featured Americans who report that Wi-Fi radiation makes them sick. An estimated four to ten percent of humanity suffer symptoms of severe, autoimmune-type allergic reactions to electromagnetic pollution from Wi-Fi and other sources. [59] A 2015 report published in *Reviews on Environmental Health* summarizes the misery-path of millions of people who descend into chronic sickness, pain and functional impairment in a world saturated by man-made electromagnetics: *"Electrohypersensitivity can be caused by successive assaults on human bioelectrochemical dynamics from exogenous electromagnetic fields (EMF) and radiofrequency radiation (RFR) or a single acute exposure. Once sensitized, further exposures are widely reported to cause reactivity to lower and lower intensities of EMF/RFR, at which point thousand-fold lower levels can cause adverse health impacts to the electrosensitive person. Electrohypersensitivity (EHS) can be a precursor to, or linked with, multiple chemical sensitivity (MCS) based on reports of individuals who first develop one condition, then rapidly develop the other. Similarity of chemical biomarkers is seen in both conditions [histamines, markers of oxidative stress, auto-antibodies, heat shock protein (HSP), melatonin markers and leakage of the blood-brain barrier]."* [60]

Illnesses and disabilities, reported by EHS victims who definitively link their terrible suffering with compulsory microwave exposures, are *the same* illnesses and disabilities as those widely reported by the general population. One EHS expert notes: *"....The general population (not known to be EHS) experience the same constellation of symptoms as are noted in EHS. This is a dose-response relationship. Thus, it is possible that EHS could manifest in all members of the population with enough exposure."* [61] In many cases, the body's surrender to cancer may be the final manifestation of *undiagnosed* EHS over a lifetime.

## Wi-Fi and Nuremberg Code Violations

The Wi-industry and their paid lobbyists --privy to a huge data base of scientific literature-- knew decades ago that low-level RF/microwave radiation is potentially carcinogenic and mutagenic and that it endangers and impairs every form and function of the human body. Yet, these opportunists continue to maim and kill for unfathomable profits. They are the ilk of creatures for which the Nuremberg Code was created after WWII, when the atrocities of the German Nazi experimentation became apparent.

Ray peddlers work overtime to keep irradiating devices firmly in the hands --and pressed against the gut organs-- of as many gullible Americans as possible. Wi-toys on the market are irresistible to both children and adults. For example, consumer drone technologies, among the newest of Wi-Fi manias, employ 2.45 gigahertz in conjunction with Wi-Fi-enabled joy sticks, smart phones or wireless tablets. What does drilling the internal organs with this addictive and carcinogenic microwave energy mean across a lifetime?



It is America's children who are paying the greatest price. Most kids born in the last decade have been heavily Wi-Fied since before the time of their conception. Even some of the newer security tags slapped onto newborns in birthing hospitals have morphed into Wi-Fi transmitters. [62] The American Academy of Pediatrics (AAP) informed the FCC in 2013: **"Children are not little adults and are disproportionately impacted by all environmental exposures, including cell phone radiation. Current FCC standards do not account for the unique vulnerability and use patterns specific to pregnant women and children."** [63]

Many peer-reviewed studies confirm that Wi-Fi radiation has the same potent bio-effects as toxic drugs. Before a pharmaceutical drug is certified to be used on humans by the Food and Drug Administration (FDA), it is usually tested on cancer cells in the lab. Then it goes through three phases of clinical trials on humans. The Wi-radiation industry has circumvented this critical scrutiny because it **owns the US regulatory machine**, including the FCC, and most especially the FDA. The FDA has been well-apprised of the biological risks of wireless technologies, but nevertheless, it sold out to the Wi-industry in 2000. [64]

**Because there has been no research proving that Wi-Fi radiation is safe, inescapable Wi-Fi exposure for all Americans is absolutely experimental!**

This radiation experimentation is not being conducted by medically-trained personnel in accordance with accepted medical constrictions and scientific data collection procedures. Nor do the masses have the privilege of giving their fully-informed consent for the risks. The test results are not scientifically studied and recorded for the public record. And the inevitable casualties of this nationwide experiment are quietly mothballed six feet under. Therefore, mass Wi-Fi testing in the United States is in blatant violation of all ten points of the Nuremberg Code, endorsed by the United States in 1946. The Nuremberg Code and the related Declaration of Helsinki are the basis for the Code for Federal Regulations, Title 45, Volume 46, issued by the United States Department of Health and Human Services (DHHS). DHHS regulations govern federally-funded human research in the United States. [65]

### **Important:** [How Wi-Fi Violates the Nuremberg Code](#)

## **Scientific Studies on the 2.45 Gigahertz Used for Wi-Fi**

The following documentation provides a wealth of medical and scientific information on the disastrous health effects of the 2.45 gigahertz for-profit research being conducted on virtually all Americans without their informed consent. Pictures illustrating the studies below demonstrate popular systems which propagate 2.45 gigahertz Wi-Fi or Bluetooth radiation. Keep in mind that Wi-Fi weaponry deployed today is rendered especially deadly with its numerous, low-frequency modulations, its multiple-antenna delivery techniques, its beamforming oscillations and its deadly coupling effects with the other wireless pollution from 2G, 3G and 4G-LTE cellular technologies. Most of the studies listed below document biological effects from basic 2.45 gigahertz signals, which differ from the complex emanations of our real-life environments. But these studies nevertheless provide insight into why so many people around us are chronically immune-compromised, sick and disabled.

**The following studies are solid evidence that Americans now live in a world where the TERMINALLY IGNORANT are held hostage by the CRIMINALLY INSANE.**

◆ By 1948, researchers had published a paper showing that 2.45 gigahertz radiation **"is highly productive in producing lenticular opacities,"** which means that repetitive injury from this microwave frequency creates cataracts within the lens of the eye. [66] Despite medical interventions, cataracts are still the leading cause of blindness across the world, according to the World Health Organization.

◆ In the 1970s, 2.45 gigahertz studies committed against lab animals demonstrated severe damage to eye tissues. [67]



◆ In 1982, scientists reported that exposing the sciatic nerves of frogs to 2.45 gigahertz resulted in a significant decrease in the survival time of the exposed nerves, compared to non-irradiated nerves. [68] Investigators are currently accumulating more data on how microwaves damage or destroy the myelin (critical protein) of nerves.

◆ In 1983, scientists used 2.45 gigahertz microwaves to inhibit normal cell division in animals. [69]

◆ Studies published in 1985 once again demonstrated cataracts and endothelial cell damage in the cornea of animals exposed to 2.45 GHz. [70] If 2.45 gigahertz "eats" the eye, what does Goggle's upcoming 77 gigahertz driverless car radar mean to human eye health? Google's new "smart lens," designed to be worn directly on the eye, features a tiny, built-in wireless camera. [71] That US regulatory agencies do not require proper medical studies and safety certification of microwave technologies which directly affect the human eye demonstrates gross corruption and incompetence.

◆ In 1985, oncology researchers at University School of Medicine Baltimore published a rodent study showing that animals injected with a tumor-promoting chemical suffered a significant increase in tumor development if they had been previously exposed to either X-radiation or 2.45 gigahertz microwave radiation. The study concluded that **"low level 2.45 GHz microwave radiation can induce latent transformation damage which can then be revealed by the action of tumor promoters."** This study was cited as important to the many people who are irradiated at the same time that they are compromised with chemotherapy drugs or other dangerous chemical exposures from occupational and environmental exposures. [72]

◆ In the 1990s, researchers found that a carrier frequency of 2.45 gigahertz caused cancer-prone mice to suffer a 41% increase in tumors and a highly significant 12.5% increase in chromosome damage to bone marrow and blood. [73]



- ◆ In 1993, a team of researchers showed that 2.45 gigahertz microwaves "**behave like ionizing radiations [X-ray, gamma waves] as they induce chromosome aberrations rather than sister chromatid exchanges....**" [74]
- ◆ In 1995-97, researchers at the University of Washington used 2.45 gigahertz to induce DNA damage in the brains of rats. The rats suffered both long-term and short-term memory loss. The rats were irradiated at only 1.2 watts per kilogram compared to the current federal guideline allowing human exposure of 1.6 watts per kilogram (cell phone radiation). [75]
- ◆ In 1998, Ukrainian scientists investigating the effects of low-intensity 2.45 gigahertz radiation on bone marrow, spleen, thymus and peripheral blood documented profound damage to numerous types of cells. [76]
- ◆ In 2003, Chinese researchers at China's Fourth Military Medical University reported that 2.45 gigahertz radiation causes negative biological changes in the hematopoietic system (bone marrow and other blood forming tissues). These researchers also confirmed that 2.45 gigahertz can damage both immune and reproductive functions, while causing gene mutations. [77]



- ◆ In 2004, Croatian researchers reported that 2.45 GHz (continuous wave) radiation, delivered at full body absorption rates lower than currently allowed from cell phones, caused a genotoxic effect to the bone marrow of rats. [78]
- ◆ In 2005, the Department of Medicine at the University of Chicago reported that human cells exposed to non-thermal 2.45 gigahertz suffered altered expression of 221 different genes after a 2-hour exposure. After a 6-hour exposure, 759 different genes showed altered expression. [79]

**IMPORTANT:** This gene study provides valuable information about the massive potential for health damage from Wi-Fi. Here's why: "**Gene expression is the fundamental starting point of all metabolic processes in the cell. If you fiddle with that, anything can happen. Gene expression changes caused by external factors can be very adverse, triggering unpredictable cascades of undesirable biological events leading to such different conditions as cancer, Alzheimer's, Parkinson's, brain and**



heart functional impairment, blood disorders, allergies and asthma, mood and behavioral disorders, sleep disturbances, headaches, fatigue, circadian rhythm disorders, etc." [80]

◆ In 2006, Indian researchers in New Delhi used 2.45 GHz to cause "statistically significant" single strand DNA breaks in the brain cells of rats. [81]



◆ In 2008, Israeli scientists representing three medical institutions published a study showing that 1.1 gigahertz causes "irreversible morphological and biochemical damage" to the lens of the eye....Cataracts form when proteins in the lens begin to clump and scatter light." These researchers also noted that 2.45 gigahertz causes a "significant higher degree of protein folding than conventional heat." [82]

◆ In 2008, scientists studying the effects of microwaves on rat thyroid hormones showed that 2.45 gigahertz alters the levels of thyroid hormones and causes abnormal emotional behavior compared to non-irradiated animals. [83]

◆ In 2009, a group of Dutch molecular neurobiologists confirmed that 2.45 gigahertz administered to newborn rats produced a dramatic effect on neurogenesis, inducing "significant changes in proliferating cell numbers." Neurogenesis involves the development of brain neurons. Normal neurogenesis is critical to proper brain development and function. Disruption of neurogenesis can lead to many brain abnormalities, including inability to learn and dementia brain diseases. [84]

◆ In 2009, scientists used 2.45 GHz to create oxidative stress (a precancer condition) in blood cells and plasma of rats exposed for one hour a day for a period of 28 days: "In conclusion, 2.45 GHz electromagnetic radiation caused oxidative stress in blood of rat...." [85]

◆ In 2010, a team of researchers reported that 2.45 gigahertz emitted by a cordless phone system affects the human autonomic system. Forty percent of the twenty-five human volunteers in this study experienced immediate changes in heart rate and heart variability during irradiation. [86]

◆ In 2010, Russian researchers induced negative immune system effects in animals irradiated with 2.45 gigahertz at only 0.16 watts per kilogram. US exposure guidelines allow human exposure of 1.6 watts per kilogram of cell phone gigahertz. But since Wi-Fi is completely unregulated, no one knows or seems to care what power densities are flowing from Wi-Fi devices and systems, let alone how much gigahertz radiation is absorbed by Wi-Fied individuals. [87]

◆ In 2010, researchers exposed small animals to 2.45 gigahertz radiation for two hours per day for 35 days: "The study concludes that the chronic exposure to these radiations may cause significant damage to the brain, which may be an indication of possible tumour promotion...." [88]





◆ In 2012, scientists investigated the effects of 2.45 gigahertz microwaves on human leukemia cancer cells and found that the radiation proliferated (caused an increase of the cancer cells) through oxidative stress and calcium influx. [89]

◆ In 2012, medical researchers found that only 2-8 hours of exposure to microwave radiation disables about 37% of critically important immune cells in human blood. These researchers specifically warned that both mobile phone radiation and Wi-Fi radiation is capable of severely impairing the human immune system, while disabling mechanisms which protect against neurological disease and aging. The condition of the human immune system also determines vulnerability to cancers. [90]

◆ In 2013, Danish ninth graders placed watercress seeds next to two Wi-Fi routers in their classroom. The seeds refused to sprout, even after 12 days, compared to non-irradiated seeds which spouted beautifully. Later in 2015, two European scientists partially replicated this study by exposing cress seeds to .2 volts per meter microwave radiation from two cell towers 600 feet away from the seeds: "In fact, the first step of the seeds' germination --e.g. inhibitions of germinal cells-- could not occur under radiation, while inside the humid compost such inhibitions occurred and roots slightly developed. When removed from the electromagnetic field, seeds germinated normally. The radiation was, thus, most likely the cause of the non-occurrence of the seeds' inhibitions and germination." [91]

◆ In 2013, scientists with the Karolinska Institute in Sweden exposed laboratory ants to a Wi-Fi router for 30 minutes. After only a few seconds of exposure, the ants "clearly demonstrated signs of bad health and consequently, a disturbed behavior." The ants demonstrated severe problems with locomotion. "After having been exposed for 30 minutes, the ants had to recover 6 to 8 hours before foraging as usual again. Unfortunately, several ants never recovered and were found dead a few days later." [92]

◆ In 2013, Turkish researchers used 2.45 GHz to induce oxidative toxicity in laryngotracheal mucosa of rats. The abstract notes: "It is well known that oxidative stress induces larynx cancer....It is well known that electromagnetic radiation (EMR) causes oxidative stress in different cell systems." [93]

◆ In 2013, Turkish researchers showed that 2.45 GHz exposure at very low levels causes a thickening of the anterior epithelium in the eye cornea of irradiated rats: "The authors conclude that exposure of rats to 2.45 GHz could cause alterations in the cornea. " [94]

◆ Another study by a different Turkish medical team the following year confirmed that rats irradiated with Wi-Fi radiation one hour per day for 30 days suffered oxidative stress (aging affects) to the lenses of their eyes. [95]



- ◆ In 2013, scientists published a study in which rats were induced to exhibit diabetes-like status after exposure to 2.45 GHz for one hour per day for 21 consecutive days. These rats not only developed glucose metabolic disorders, but also abnormal liver lesions. [96]
- ◆ In 2014, another scientific study on rat brains found that 2.45 gigahertz radiation **"increases the DNA damage in both brain tissues and plasma."** [97]
- ◆ In 2015, agricultural scientists showed that Wi-Fi radiation damages trees, producing abnormal foliage. Seventy percent of Danish trees are now showing similar signs of radiation damage. [98]
- ◆ In 2015, researchers irradiated mice with 2.45 gigahertz to investigate its potential to alter the microRNA genes in the brain. Alterations in these genes are involved in dementia diseases. The report states: **"Long term exposure of 2.4 GHz RF may lead to adverse effects such as neurodegenerative diseases originated from the alteration of some mRNAs expression and more studies should be devoted to the effects of RF radiation on mRNAs expression levels."** [99]
- ◆ In 2015, a research team showed that male rats exposed to 2.45 gigahertz Wi-Fi radiation had significant abnormal changes in important blood chemicals, compared to non-irradiated rats. These chemicals included: cholesterol, HDL, blood glucose and GGT, a liver enzyme considered a diagnostic marker for various liver disorders. [100]
- ◆ In 2015, a research team published results of a study in which adult male rabbits were irradiated with 2.45 gigahertz Wi-Fi for one hour. The antennas were placed close to the heart similar to a situation in which humans carry wireless devices in shirt pockets or hold transceiving computer tablets close to the chest cavity. The rabbits suffered increased heart rate (+22%) and increased arterial blood pressure (+14%). The radiation also affected dopamine and epinephrine action on heart variability and blood pressure. **"These results suggest for the first time, as far as we know, that exposure to Wi-Fi affects heart rhythm, blood pressure and catecholamines efficacy on cardiovascular system, indicating that radiofrequency can act directly and/or indirectly on cardiovascular system."** [101]

## Time for a Parable?

The latest scientific evidence indicates that sane Americans should take prudent steps to separate themselves from Wi-Fi pollution. Those with normal reasoning capacity should consider investing in a good audio microwave detector. Empowerment to discern the presence of Wi-Fi and other types of wireless pollution is now vital for making wise choices. It is also imperative to share this crucial information with unaware people who remain oblivious to the dangers of Wi-Fi and other gigahertz pollution, simply because they have no ability to hear, see, smell, taste or touch it. For those who choose to hunker down and do nothing to defend themselves, the story of the Apollo I crew is a perfect parable.



On January 27, 1967, Gus Grissom was burned to death with astronauts Ed White and Roger Chaffee when Apollo 1 caught fire during a pre-launch test at Cape Kennedy. **“Their deaths were attributed to a wide range of lethal design hazards...many wiring and plumbing flaws, flammable materials in the cockpit, a hatch which might not open at all in an emergency and even the flight suits worn by the astronauts....”** Astronaut John Young recalled a conversation he had with Grissom just before that terrible accident: **“The wires were really bad in there (Apollo 1 command module).... I said ‘Gus, why don’t you say something about the wiring?’ ....And he said, ‘I can’t say anything about it or they’ll fire me.’ ”** [102]

Gus and the others remained silent for political and economic reasons, but they got "fired" anyway. This is the story of millions of Americans who are now being slowly roasted by Wi-Fi technologies, but who "go along to get along." These, the silent and submissive, will not die quickly as did the Apollo 1 team. But vast medical evidence confirms that they are predictably doomed to deteriorate and suffer slowly, often with a considerable lag time between exposure and resulting disease, disability and even premature death. Slow burn may be more terrible than fast burn.

At a time when the Wi-industry is preparing to turn up the "heat" with new millimeter and terahertz technologies and with MANY THOUSANDS of Google's new microwave transceivers soon to be suspended in the sky above us, it is past time for Americans to confront the fact that Wi-Fi technologies are indeed a scourge. Unlicensed, unregulated Wi-Fi radiation --forced upon humanity in violation of international conventions against involuntary medical experimentation-- is a grotesque national and global disaster, generated by mass ignorance, official corruption and corporate greed.

**The "green" solution is relatively simple:**

**The Wi-industry is an engine, consumers are the wheels  
on a dead-end road to disease, disability, deformity and death.**

**If the wheels fall off, the machine stops.**

**If it's Bluetooth or Wi-Fi, refuse to buy!**

**Consider any building contaminated with Wi-Fi  
as extremely hazardous to human health.**

**Clean up your personal environment and raise awareness!**

## **Reference Notes With Additional Information**

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